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Fax Message**Unofficial**

To: Mr. Daniel Pihulic Fax: 703-872-9306
From: Paul Ping Zhi Chen Date: 6/14/2004
Re: App # 10/617,581. Att Unit: 3662 Pages: 4
CC:

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Dear Mr. Pihulic,

Attached is the modified part of my patent application for **Portable Human Height Measuring Device**. (Application Number: 10/617,581) The changes are:

1. Correct claim 1, 3 and 4 as your suggested.
2. Restructure the abstract of the disclosure to one paragraph and make sure it is less than 150 words.
3. Add patent 6011,754 by Burgree et al. to the Reference Cited list.

Please let me know if you need more information. My email address is paulpc@sbcglobal.net and my phone number is 925-699-4630.

Regards,
Paul Ping Zhi Chen

Patent Application Of
Paul Ping Zhi Chen
For
Portable Human Height Measuring Device

Abstract

The invention is a **portable human height measuring device**. The device consists of an ultrasonic distance sensor, a controller and several output units. The ultrasonic distance sensor measures a person's height. The control unit converts the electronic signals from the ultrasonic sensor to proper measuring standards. The measurement output units displays, announces, or/and prints the measurement. The device is integrated onto a baseball like cap. The ultrasonic sensor is mounted on the sun visor of the cap. The control and output units are mounted on the crown of the cap. A switch is mounted on the top of the inner cap. When the head of the person wearing the cap touches the switch, it triggers the ultrasonic sensor to start measuring. The person's height is then converted to the proper measuring unit, and communicated to the person via output units.

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Appl. No.:

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Current U.S. Class:

33/512;33/700

International Class:

33/512;33/700

Field of Search:

Reference Cited

U.S. Patent Documents

Pat nt numb r	Date	Inventor	Field
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Claims

I claim:

1. A portable human height measuring device, that comprising an ultrasonic distance sensor and a control unit integrated onto a cap, with means to measure human height either in metric or English system.
2. The portable human height measuring device according to claim 1 wherein said the height measurement can be shown on a LCD mounted on the sun visor of the cap.
3. The portable human height measuring device according to claim 1 wherein said the height measurement can be announced via a voice synthesizer mounted on the crown of the cap based on a selected language, this capability enables a visually impaired person to measure his or her own height.
4. The portable human height measuring device according to claim 1 wherein said the height measurement and the date of the measurement can be printed out via a mini printer mounted on the crown of the cap, this data could be collected over time to calculate a person's growth rate.